

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| L1    | 100  | ("6155840" "5953046" "6272461" "6397036" "6195093" "6509909" "6732915" "6253193" "6363488" "6389402" "6427140" "6931545" "6026374" "6393158" "5918215" "6912039" "5790935" "5949476" "5823651" "6669485" "6064385" "5802448" "6269380" "6289455" "5884280" "6240553" "6389403" "6389538" "6398245" "6418421" "6697944" "5915018" "6327652" "5771435" "5822530" "6871188" "6119109" "6240401" "5673430" "6707889" "6792086" "6892064" "5941951" "6240555" "6834195" "5818446" "5752160" "6292789" "5905981" "6195655").pn.<br>("6199045" "6289362" "6640305" "5787089" "6263313" "6345256" "6587837" "6611812" "6834110" "6859791" "6959288" "6424998" "6131162" "5790175" "5914941" "6052780" "6055314" "6077084" "6139329" "6163272" "6185686" "6189008" "6314572" "6314573" "6353831" "6460137" "6684400" "6868495" "6477537" "5973722" "6343310" "5818441" "5892900" "5910987" "5915019" "5917912" "5933500" "5949876" "5963864" "5978650" "5982891" "6119229" "6198509" "6199082" "6237786" "6246672" "6278717" "6330670" "6339761" "6353728").pn. | US-PGPUB;<br>USPAT  | OR               | ON      | 2006/02/03 06:54 |
| L2    | 313  | 380/29.ccls.   | US-PGPUB;<br>USPAT  | OR               | ON      | 2006/02/03 06:54 |
| S1    | 301  | 380/29.CCLS.   | US-PGPUB;<br>USPAT  | OR               | ON      | 2005/06/16 15:21 |
| S2    | 308  | 380/29.CCLS.   | US-PGPUB;<br>USPAT;<br>EPO; JPO                                   | OR               | ON      | 2005/06/13 12:21 |
| S3    | 308  | 380/29.CCLS.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR               | ON      | 2005/06/13 12:21 |
| S4    | 308  | 380/29.CCLS.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | ON      | 2005/06/13 12:21 |
| S5    | 308  | 380/29.CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/06/13 12:21 |
| S6    | 97   | ("5511123" "5949884" "6031911" "5745577" "5351299" "6182216" "6199162" "6314186" "6578150" "6751319" "6769063" "5365588" "5454039" "5675652" "5835597" "5606616" "6061703" "6104810" "6266413" "6445794" "5768390" "5675653" "5835599" "6870929" "6731754" "6763363" "6804354" "5825886" "5740249" "4815130" "5442705" "5473693" "5892829" "5933499" "6049608" "6122375" "6141421" "6189095" "6295606" "6301362" "6370247" "5796830" "6052469" "5003597" "5317638" "5995625" "5778074" "5793871" "5673319" "6069954").pn.<br>("6345101" "6535607" "6466669" "4897876" "5841872" "5970148" "6044388" "6061449" "6061703" "6061449" "6490354" "6578061" "6850960" "6859818" "5963104" "5568073" "5638315" "6263471" "6760440" "5019736" "5631960" "4871930" "4912342" "5623545" "6069495" "4890127" "4979140" "5191243" "5321704" "5343406" "5432719" "5448493" "5459681" "5488316" "5598424" "5821774" "5825202" "5838892" "5867732" "5881250" "5896406" "5974530" "5991861" "6081130" "6094065" "6107822" "6108812" "6118298" "6204685").pn.           | US-PGPUB;<br>USPAT  | OR               | ON      | 2005/06/30 16:15 |
| S7    | 3616 | data adj encryption adj standard   | US-PGPUB;<br>USPAT  | OR               | ON      | 2005/06/16 17:04 |
| S8    | 3798 | data adj encryption adj standard   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/06/16 17:04 |

|     |         |   |   |    |    |                  |
|-----|---------|---|---|----|----|------------------|
| S9  | 0       | data adj encryption adj standard and clock adj cycle                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/16 17:05 |
| S10 | 283     | data adj encryption adj standard and clock adj cycle                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/16 17:45 |
| S11 | 280     | data adj encryption adj standard and clock adj cycle                                  | US-PGPUB;<br>USPAT  | OR | ON | 2005/06/16 17:45 |
| S12 | 1       | "3962539".pn.   | US-PGPUB;<br>USPAT  | OR | ON | 2005/06/16 18:21 |
| S13 | 8695    | (des or data adj encryption adj standard) and clock adj cycle                         | US-PGPUB;<br>USPAT  | OR | ON | 2005/06/16 18:22 |
| S14 | 5426    | (des or data adj encryption adj standard) and (clock adj cycle) and gate              | US-PGPUB;<br>USPAT  | OR | ON | 2005/06/16 18:22 |
| S15 | 1202    | (des or data adj encryption adj standard) and (clock adj cycle) and gate and "xor"    | US-PGPUB;<br>USPAT  | OR | ON | 2005/06/16 18:22 |
| S16 | 809     | (des or data adj encryption adj standard) and (clock adj cycle) and gate and "xor"    | USPAT   | OR | ON | 2005/06/16 18:22 |
| S17 | 88      | (des or data adj encryption adj standard) same (clock adj cycle) and gate and "xor"   | USPAT   | OR | ON | 2005/06/16 18:22 |
| S18 | 1066289 | data adj encryption adj standard or des   | US-PGPUB;<br>USPAT  | OR | ON | 2005/06/17 07:55 |
| S19 | 6854880 | (data adj encryption adj standard) or des   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/17 07:55 |
| S20 | 10068   | S19 and clock adj cycle\$   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/17 08:40 |
| S21 | 1428    | S19 and clock adj cycle\$ and "xor"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/17 09:01 |
| S22 | 0       | S19 and clock adj cycle\$ and "xor" and expansion                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/17 09:01 |
| S23 | 502     | S19 and clock adj cycle\$ and "xor" and expansion                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/17 09:02 |
| S24 | 94      | S19 and clock adj cycle\$ and "xor" and expansion and ("380"/\$.ccls. "713"/\$.ccls.) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/17 09:02 |

|     |       |   |   |    |    |                  |
|-----|-------|---|---|----|----|------------------|
| S25 | 172   | S19 and clock adj cycle\$ and "xor" and ("380"/\$.ccls. "713"/\$.ccls.)                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/17 09:35 |
| S26 | 12    | S19 and clock adj cycle\$ and "xor" and ("380"/\$.ccls. "713"/\$.ccls.) and critical adj path | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/17 09:37 |
| S28 | 239   | 380/37.CCLS. AND (DES OR AES)   | US-PGPUB;<br>USPAT  | OR | ON | 2005/06/17 11:17 |
| S29 | 369   | 380/37.CCLS.  | US-PGPUB;<br>USPAT  | OR | ON | 2005/06/17 11:17 |
| S30 | 25    | combin\$ with permutation with expansion  | US-PGPUB;<br>USPAT  | OR | ON | 2005/06/17 12:27 |
| S31 | 1     | merg\$ with permutation with expansion  | US-PGPUB;<br>USPAT  | OR | ON | 2005/06/17 12:27 |
| S32 | 2     | cavium.as.  | US-PGPUB;<br>USPAT  | OR | ON | 2005/06/17 12:29 |
| S33 | 2     | kiszely.in.   | US-PGPUB;<br>USPAT  | OR | ON | 2005/06/30 14:52 |
| S34 | 5     | kiszely.in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/30 15:03 |
| S35 | 3619  | des and data adj encryption adj standard  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/30 15:09 |
| S36 | 883   | S35 and improve   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/30 15:04 |
| S37 | 429   | S35 and improve   | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | ON | 2005/06/30 16:15 |
| S38 | 71591 | des same improve or data adj encryption adj standard same improve                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/30 15:09 |
| S39 | 71591 | (des same improve) or (data adj encryption adj standard same improve)                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/30 15:10 |
| S40 | 16    | (data adj encryption adj standard same improve)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/30 15:12 |

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|-----|--------|---|---|----|----|------------------|
| S41 | 8526   | (data adj encryption adj standard with improve) or (des with improve)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/30 15:12 |
| S42 | 40     | (data adj encryption adj standard with improve) or (des with improve) and ("713"/\$.ccls. or "380"/\$.ccls.)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/30 15:12 |
| S43 | 592    | "4" adj clock adj cycles  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | ON | 2005/06/30 16:16 |
| S44 | 3      | S43 and data adj encryption adj standard  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | ON | 2005/06/30 16:36 |
| S45 | 53     | data adj encryption adj standard same patent  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | ON | 2005/06/30 16:38 |
| S46 | 2      | "3958081".pn.   | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | ON | 2005/06/30 16:38 |
| S47 | 1      | "3958081".pn.   | USPAT   | OR | ON | 2005/06/30 17:02 |
| S48 | 398915 | data adj encryption adj standard and (merge combine) same permutation\$ expansion\$   | US-PGPUB;<br>USPAT  | OR | ON | 2005/06/30 17:03 |
| S49 | 8      | (data adj encryption adj standard) and (merge combine) same (permutation\$ and expansion\$)   | US-PGPUB;<br>USPAT  | OR | ON | 2005/06/30 17:03 |
| S50 | 12     | ("6272221" "6442525" "6400824" "6357009" "6816968" "5675653" "6304658" "6108421" "5835599" "6381699" "6278783" "4947428").PN.   | US-PGPUB;<br>USPAT  | OR | ON | 2005/07/01 08:40 |
| S51 | 28875  | output with fed adj back  | US-PGPUB;<br>USPAT  | OR | ON | 2005/07/01 08:40 |
| S52 | 88     | output with fed adj back same expansion   | US-PGPUB;<br>USPAT  | OR | ON | 2005/07/01 08:41 |
| S53 | 0      | output with fed adj back same expansion and encryption  | US-PGPUB;<br>USPAT  | OR | ON | 2005/07/01 08:41 |
| S54 | 88     | output with fed adj back same expansion   | US-PGPUB;<br>USPAT  | OR | ON | 2005/07/01 08:44 |
| S55 | 8      | (data ADJ encryption ADJ standard) AND (rearrangement WITH gate)  | US-PGPUB;<br>USPAT  | OR | ON | 2005/07/01 08:44 |
| S56 | 19     | (US-20020003876-\$ or US-20020018562-\$ or US-20020034295-\$ or US-20020061107-\$ or US-20020106078-\$ or US-20020106080-\$ or US-20020108048-\$ or US-20020118827-\$ or US-20030002664-\$ or US-20030072444-\$ or US-20030103626-\$).did. or (US-6182216-\$ or US-6199162-\$ or US-6249582-\$ or US-6314186-\$ or US-6578150-\$ or US-6704871-\$ or US-6708273-\$ or US-6751319-\$).did. | US-PGPUB;<br>USPAT  | OR | ON | 2005/07/01 08:47 |
| S57 | 372    | 380/37.CCLS.  | US-PGPUB;<br>USPAT  | OR | ON | 2005/07/01 08:53 |
| S58 | 153    | 380/37.CCLS. and data adj encryption adj standard   | US-PGPUB;<br>USPAT  | OR | ON | 2005/07/01 09:31 |
| S59 | 0      | "20020018562".pn. and bus   | US-PGPUB;<br>USPAT  | OR | ON | 2005/07/01 09:31 |
| S60 | 0      | "20020018562".pn. and processor   | US-PGPUB;<br>USPAT  | OR | ON | 2005/07/01 09:31 |

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|-----|---------|--|---|----|-----|------------------|
| S61 | 0       | "20020018562".pn. and hardware   | US-PGPUB;<br>USPAT  | OR | ON  | 2005/07/01 10:59 |
| S62 | 1       | "20050069134"  | US-PGPUB;<br>USPAT  | OR | ON  | 2005/07/01 10:59 |
| S63 | 304     | 380/29.ccls.   | US-PGPUB;<br>USPAT  | OR | ON  | 2005/08/02 09:30 |
| S64 | 238     | 380/29.ccls. and (data adj encryption adj standard or des)             | US-PGPUB;<br>USPAT  | OR | ON  | 2005/08/02 09:45 |
| S65 | 3473503 | data adj encryption adj standard or des                                | DERWENT   | OR | ON  | 2005/08/02 09:46 |
| S66 | 131     | data adj encryption adj standard                                       | DERWENT   | OR | ON  | 2005/08/02 09:46 |
| S67 | 3945    | data adj encryption adj standard                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/06 15:42 |
| S68 | 10      | data adj encryption adj standard and expansion adj modules             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/06 15:43 |
| S69 | 30      | data adj encryption adj standard and expansion adj permutation         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/06 15:58 |
| S70 | 0       | "6931127".PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/06 15:53 |
| S71 | 48      | expansion adj permutation  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/06 15:58 |
| S72 | 97      | "3-input" with "xor"   | US-PGPUB;<br>USPAT  | OR | ON  | 2006/02/02 09:12 |
| S73 | 0       | "3-input" with "xor" same des  | US-PGPUB;<br>USPAT  | OR | ON  | 2006/02/02 09:12 |
| S74 | 0       | "3-input" with "xor" same encryption                                   | US-PGPUB;<br>USPAT  | OR | ON  | 2006/02/02 09:12 |
| S75 | 16      | "3-input" with "xor" and (encryption crypto\$ des data adj encryption) | US-PGPUB;<br>USPAT  | OR | ON  | 2006/02/02 09:15 |
| S76 | 4       | "3-input" with "xor" and (encryption crypto\$ des data adj encryption) | US-PGPUB;<br>USPAT  | OR | OFF | 2006/02/02 11:58 |
| S77 | 95      | "3-input" with "xor"   | US-PGPUB;<br>USPAT  | OR | OFF | 2006/02/02 12:02 |
| S78 | 0       | "3-input" with "xor" same encryption                                   | US-PGPUB;<br>USPAT  | OR | OFF | 2006/02/02 11:58 |
| S79 | 0       | "4-cycle" with des   | US-PGPUB;<br>USPAT  | OR | OFF | 2006/02/02 11:58 |
| S80 | 0       | "4-round" with des   | US-PGPUB;<br>USPAT  | OR | OFF | 2006/02/02 11:59 |
| S81 | 134     | cycle with des   | US-PGPUB;<br>USPAT  | OR | OFF | 2006/02/02 11:59 |
| S82 | 5       | cycle with des with (S80 four)   | US-PGPUB;<br>USPAT  | OR | OFF | 2006/02/02 11:59 |
| S83 | 0       | "3-input" with "xor" same des  | US-PGPUB;<br>USPAT  | OR | OFF | 2006/02/02 12:02 |

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|-----|--------|---|------------------------------|----|-----|------------------|
| S84 | 10     | "3-input" with "xor" same data  | US-PGPUB;<br>USPAT           | OR | OFF | 2006/02/02 12:02 |
| S85 | 97     | 3-input with "xor"  | US-PGPUB;<br>USPAT           | OR | ON  | 2006/02/02 12:48 |
| S86 | 125038 | improvement adj comprising  | US-PGPUB;<br>USPAT           | OR | ON  | 2006/02/02 14:05 |
| S87 | 213    | improvement adj comprising and "713"/\$.ccls.   | US-PGPUB;<br>USPAT           | OR | ON  | 2006/02/02 14:37 |
| S88 | 1      | "6704871".pn.   | US-PGPUB;<br>USPAT           | OR | ON  | 2006/02/02 14:51 |
| S89 | 1      | "4344424".pn.   | US-PGPUB;<br>USPAT           | OR | ON  | 2006/02/02 14:51 |
| S90 | 1      | "6745394".pn.   | US-PGPUB;<br>USPAT           | OR | ON  | 2006/02/02 14:51 |
| S91 | 1      | "6141530".pn.   | US-PGPUB;<br>USPAT           | OR | ON  | 2006/02/02 16:05 |
| S92 | 20     | ("5133079"   "5412416"   "5515107"   "5519435"   "5546118"  <br>"5583562"   "5696560"   "5729279"   "5795046"   "5801754"  <br>"5828403"   "5920626"   "5924013"   "5924039").PN. OR<br>("6141530").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/02/02 16:06 |
| S93 | 6      | S92 and distributor   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/02/02 16:06 |